

FIFTY-SIXTH ANNUAL REPORT

OF

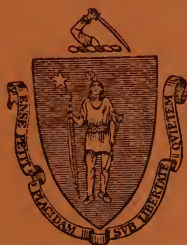
THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1911.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1912.



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# OFFICERS

## OF THE

### NORTHAMPTON STATE HOSPITAL.

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#### TRUSTEES.

CAROLINE A. YALE,	. . . . .	<i>Holyoke.</i>
LUKE CORCORAN, M.D.,	. . . . .	<i>Springfield.</i>
JOHN McQUAID,	. . . . .	<i>Pittsfield.</i>
HENRY L. WILLIAMS, <i>Chairman,</i>	. . . . .	<i>Northampton.</i>
CHARLES S. SHATTUCK,	. . . . .	<i>Hatfield.</i>
JOSEPH W. STEVENS, <i>Secretary,</i>	. . . . .	<i>Greenfield.</i>
EMILY N. NEWTON,	. . . . .	<i>Holyoke.</i>

#### RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	. . . . .	<i>Superintendent.</i>
CHARLES H. DEAN, M.D.,	. . . . .	<i>Assistant Physician.</i>
C. STANLEY RAYMOND, M.D.,	. . . . .	<i>Assistant Physician.</i>
B. ANGELA BOBER, M.D.,	. . . . .	<i>Assistant Physician.</i>
ELIZA P. BRISON, M.D.,	. . . . .	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	. . . . .	<i>Clerk.</i>
THOMAS H. BUTTERWORTH,	. . . . .	<i>Engineer.</i>
CARL W. HAMMOND,	. . . . .	<i>Farmer.</i>
SUSAN E. WARREN,	. . . . .	<i>Matron.</i>

#### TREASURER.

LEWIS F. BABBITT,	. . . . .	<i>Northampton.</i>
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Office at the Hospital.





# The Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor of the Commonwealth and the Honorable Council.*

The trustees of the Northampton State Hospital have the honor to present the fifty-sixth annual report of the affairs and management of the hospital.

By reference to the tables of statistics appended to this report it will be seen that the number of patients to be cared for is gradually increasing. The State Board of Insanity has in the past two years transferred 186 patients to other institutions, yet the hospital is crowded to its full capacity. We hope to keep the number of patients to about the present limits by transfer and by placing more patients in family care than has been possible heretofore, but before long the hospital must be enlarged by additions to its present group of buildings or by the erection of detached buildings somewhere on the grounds now a part of the institution or by the establishment of a colony at some distance from Northampton somewhere in the four western counties. A good deal of thought has been given to this matter but our Board has no definite plan to present at this time.

The treasurer's report shows that the hospital has been operated economically during the fiscal year ending Nov. 30, 1911. The cost of maintenance was nearly \$1,000 less than the appropriation for maintenance, though the daily average number of patients cared for was in excess of the number on which the estimates for maintenance were based. The weekly per capita cost was \$3.86. If from this be deducted the amounts received from sales and from board of patients, the net per capita cost to the State would be \$2.76.

The State Board of Insanity having advised us to estimate for the maintenance of an expected daily average of 890 patients the coming year, we shall ask the Legislature for the sum of \$183,500 for this purpose. This amount is based on the expenditures of the past three years.

The Legislature, on July 12, 1911, made appropriations of \$40,425 for the erection of a laundry and of \$6,500 for an addition to our present bakery. Owing to the late date at which these appropriations were made the securing of bids and letting of contracts was delayed till late summer, consequently much of the work will have to be done in the months of the year unfavorable for building. However, work on the laundry building has progressed favorably, the brick work being within two or three days of completion at the date of our report, and the roof is nearly boarded in. The foundations of the addition to the bakery have been laid and the building will be roofed in within two weeks.

The hospital reserved from the contract the work of excavating and of grading for these two buildings and this work was done largely by patients, the resultant saving to the State amounting to nearly \$1,000.

There have been several changes in the personnel of our Board and of the medical staff during the year. Mr. Snow of Greenfield felt obliged by ill health to resign his position on our Board in December. Mr. Joseph W. Stevens of Greenfield was appointed a trustee in his place. Dr. Luke Corcoran was appointed in place of Dr. F. W. Chapin, who died Dec. 15, 1910.

It is with great sorrow that we record the death of Dr. Chapin, who had been a member of our Board since 1898. The following resolutions were passed by our Board:—

*Whereas*, Death has removed from us Frederick Wilcox Chapin, M.D., for a number of years a valued member of the Board of Trustees of the Northampton State Hospital, we, his friends and associates, wish to express and record our appreciation of his services to the institution, therefore,

*Resolved*, That by the death of Dr. Chapin this hospital has sustained a severe loss. During the period he was a member of the Board of Trustees he gave it of his professional wisdom, of his financial discretion and of his personal optimism. His work among the patients was friendly and tender, his duties with the trustees were cheerfully and wisely fulfilled. He was a man of sterling worth; of upright nature; a courteous, gracious and loyal associate and we, the members of the Board, regret his departure from our comradeship with a true feeling of personal bereavement.

Drs. Whitney, Wiley and Cruttenden resigned from the medical staff, leaving the service in October. Later Dr. Wiley, as Mrs. Dr. Whitney, was reappointed to do social service work for the hospital as outlined in the superintendent's report. In October Dr. B. Angela Bober and Dr. Eliza P. Brison began service in the places of Drs. Wiley and Cruttenden. No one has been appointed to fill the position made vacant by Dr. Whitney's leaving.

CAROLINE A. YALE.

LUKE CORCORAN, M.D.

JOHN McQUAID.

HENRY L. WILLIAMS.

CHARLES S. SHATTUCK.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

## SUPERINTENDENT'S REPORT.

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*To the Trustees of the Northampton State Hospital.*

I hereby submit my report of the operations of the hospital for the year ending Nov. 30, 1911.

At the beginning of the statistical year, Oct. 1, 1910, there were 855 patients in our care at the hospital. During the next twelve months 386 cases were admitted, making a total of 1,241 patients cared for during the year. Of those admitted 334 were committed by the courts, 22 came as voluntary patients, 4 were sent here for temporary care, 14 were returned from visit and 5 returned from escape. Of 58 out on trial visit at the beginning of this yearly period, 44 were nominally admitted in order to be discharged from our records.

The daily average number of patients was 883, 31 more than ever before. This is to be accounted for, partly, by reason of a normal increase of patients keeping pace with the increase in the general population of the district served by the hospital, but largely because so many of the cases admitted are unfavorable for improvement by reason of their mental condition or because of old age, the number of these latter showing a steady increase year by year. Such patients are seldom removed except by death and so help to swell our daily average number under treatment.

Massachusetts was the birthplace of less than half the number admitted, 42 per cent. Forty-one per cent. were of foreign birth and nearly two-thirds were of foreign parentage.

Many of the cases admitted were of a character unfavorable for recovery; 21 were over seventy years of age and 10 were over eighty years of age. In 60 per cent. the insanity had existed for more than six months, while nearly the same proportion had a form of insanity from which recovery is not to be expected.

Examination of Table 8 of the statistical tables appended to this report shows that the principal factors in the causation of the

insanity in the cases admitted were heredity, intemperance, old age and gross brain lesions.

It is of interest to note that one case admitted was undoubtedly caused by pellagra, and that another patient admitted within the year is believed to be a case of pellagra, though we do not consider this the cause of her insanity.

More patients have taken advantage this year of the law permitting voluntary commitment than in previous years. There were 24 voluntary admissions, with 8 such cases in the house at the beginning of the year. The year closed with 8 in our care.

Three hundred and eighty-seven cases were dismissed. Of these 28 were transferred by the State Board of Insanity to the Gardner State Colony, 14 to the Monson State Hospital, 19 to the Worcester State Asylum, 3 to the McLean Hospital and 8 to family care. One hundred and forty-three were discharged as follows: 39 as recovered, 34 as capable of self-support, 43 as improved, 19 as unimproved, 9 as not insane voluntary cases, 98 deaths and 73 away on trial visit. This left 898 at the end of the year, 449 men and 449 women.

The largest number of patients on any one day was 918.

The estimated number of recoveries is very conservative, as many of them not called recovered by us seem as well as ever and conduct themselves as well as ever, in the opinion of their relatives and associates.

Our death rate was 7.8 per cent., about the same as it was last year. Almost one-half of those who died were over seventy years of age, 15 of them being over eighty years of age.

The Legislature of 1911 passed an act permitting the reception and temporary care in State hospitals of persons in need of immediate treatment because of mental derangement. Such persons may be kept for a period not exceeding seven days. Before the expiration of this time they must either be discharged or be committed if needing further treatment. Under this act we have received 14 patients. Our experience leads us to consider this a wise and humane measure, providing immediate treatment for a class of patients who, prior to this, have been liable to detention for a day or two in a jail or in other unfavorable surroundings.

We have had 13 patients under our supervision in family care during the year in addition to those placed in families by the State



Board of Insanity. Provision has been made whereby we hope to greatly increase the number so cared for.

For a long time we have felt that our duty was not limited to the care of those alone who were at the hospital or elsewhere under our supervision. There is much that can be done by an institution of this kind in the way of prevention and of after care. We have been accustomed to keep track of our patients out on trial visit, usually by correspondence, in some cases requesting them to return to the hospital for a personal interview. We have frequently advised, free of charge, persons coming to the hospital to consult us about the treatment of relatives or friends whose commitment was being considered, as well as others who were themselves considering the advisability of coming to the hospital for treatment. In our report of last year was briefly suggested a line of work that would seem to make the hospital more useful to the community it serves. We have been fortunate in securing an officer to undertake this work, Dr. Harriet M. Whitney, who in October resigned her position as assistant physician after nearly twelve years of service. Later she accepted an appointment to give us part of her time to do social service work. Her long training, her acquaintance with the individual patients here and her experience in visiting patients in family care have fitted her peculiarly for the new line of work. Her duties, which will be somewhat varied, are all in the line of broadening our sphere of usefulness. She will visit patients in family care as formerly, but will also find new boarding places for a much larger number of patients than we have heretofore been able to place out to board. She will visit patients away from the hospital on trial visit to learn whether they are doing well at home and whether their discharge or a further period of care at the hospital is advisable. It will be in line of her work to investigate home conditions of patients whose discharge is requested, patients who have not fully recovered, to learn whether their discharge can be favorably recommended. She will be sent, on request, to visit persons whose commitment is being considered. In some of these cases we have found it advisable to recommend commitment to the hospital with the hope of promoting an earlier recovery than if the patient were kept at home, while in other cases it has seemed best to advise home care and treatment as more suitable. She will visit families and neighbors of recently

committed patients to learn more about them and the cause of their mental breakdown than the commitment papers and the persons who come to the hospital with the patient can give us. It is possible, also, that she may be able to help discharged patients in securing employment, and in other ways.

Dr. Whitney has been engaged in this work but a few weeks, but we already find a large field for her.

The training school has continued successful under the same management as before. There have been 65 lectures by members of the staff and 98 recitations. Sixteen lessons in special cooking for invalids were given by Miss Hedges.

The junior classes are always large, but some who begin work are found not fitted to go on with it, while to others the work is unattractive, consequently the graduating classes are usually small. This year there were 5 graduates, Misses N. Mertie Bradley, Mary Agnes Ryan, Alice Agnes McNierney, Goldie May Bickford and Mrs. Agnes Farrington. Graduating exercises were held on Oct. 11, 1911. There are 9 graduate nurses remaining in our service.

During the summer months there was difficulty in securing a desirable number of nurses, but at present we have been having more applications for the service, and it has been possible to have more women nurses on our wards for men than in previous years.

The value of occupation as a means of treatment in mental diseases has been so long and so favorably known and so often spoken of in the annual reports of the State hospitals that it has seemed unnecessary to dwell at length on the subject, but recent legislation in our State relative to the matter seems to show how little appreciation is had by the public of what is being done in the State institutions. A list of all the various forms of occupation made use of would surprise even those fairly well acquainted with matters pertaining to State hospitals.

At the May conference of the State Board of Insanity with trustees of State hospitals the subject for discussion was occupation for patients. An abstract of what was said about the work done at our institution may be of enough interest to warrant its being made a part of this report. Referring to a bill that was introduced in the Legislature compelling the management of State institutions to train their attendants in arts and crafts it was said that we have been doing that sort of thing from the beginning of the

hospital's existence. In the report of the hospital fifty-three years ago this was said: "The importance of employment and amusement as curative agencies is fully appreciated and all means at our disposal are freely made use of. For the men there is the farm and garden work, grading, fencing, etc., and for the women the ordinary work of the institution, household work, etc." The next year's report, speaking of the value of regular daily exercise says, "it can hardly be overestimated." In 1862 they began tying brooms, braiding hats and bonnets and making baskets, teaching employees who, in turn, taught patients. In that year they made 1,000 baskets. Next year they added the making of rugs and husk mats, making all the mats in use in the institution. They began then to make mattresses, and ever since then all the mattresses in use have been made by patients under the instruction of nurses. There have been several instances to my knowledge where both nurses and patients, having learned to make mattresses here, have taken up the same kind of work as a regular employment after leaving the hospital. In 1863 the annual report says the subject of employment "is of such importance from a hygienic view that it is in no danger of being lost sight of, and the importance of securing it will be constantly studied and availed of to as great an extent as possible." Of the training of nurses and attendants the superintendent at that time said that "ability to excite the interest of patients in their occupations and amusements should always be regarded as among the qualifications to be possessed by those to be in immediate charge of the inmates." Abstracts like these could be made from nearly every report for fifty years.

Patients are always expected to do some kind of work, if well enough physically, in the care of the wards, in the different departments, as kitchen, bakery, laundry, machine shops, engine room, paint shop, at the stables and barns, on the farm and about the grounds of the institution. Many of the patients learn work of various kinds here that they were unaccustomed to before coming, and not infrequently take up the same kind of work as a regular employment after leaving the hospital. Employees in charge of patients often have to be taught the work in order to be able to teach the patients, — as in making brooms and mattresses, laying cement walks, making baskets, etc.

Some of the things done by us, but by no means all, are as fol-



lows: For the men the making of tinware, brooms, mattresses, repairing shoes, painting, carpenter work, electric wiring, pipe fitting, lathe work, both in wood and metal, making and repairing of furniture, meat cutting, laying concrete walks and especially farm work in all its branches; for the women, besides the ordinary household work, knitting and crocheting of mittens, slippers, stockings, making of rugs, basketry, dressmaking, trimming of hats and bonnets, drawn work and hemstitching and the like, and of late years gardening, picking pease, currants and strawberries. In years gone by these things have been supervised by officers and nurses of the hospital. Now it is intended to have an instructor to take direction of the work outside of that connected with the regular operations of the hospital.

Many repairs and changes are required every year in buildings so old as these, and this year has offered no exception. The necessary repairs have kept 8 men, carpenters, painters, plumbers and mechanics busy, with patients helping each one of them.

A new ell was built to the house occupied by the assistant electrician, containing kitchen, pantry and bath room.

New storerooms have been fitted in the basement and ground floor of the building occupied by patients who work out of doors, — the so-called storehouse. Here the stores are received and kept under the charge of a storekeeper and from here they are distributed. Accounts are kept for everything received and disbursed, nothing being given out except on a signed order.

Under the dormitory occupied by male employees three partitions have been removed, thus throwing four small rooms into one large one. In this room several industries have been installed which are carried on by patients: hair picking, mattress making, broom making, and repairing of boots and shoes. The time will probably soon come when an industrial building will be required, where the other things done by patients, as repairing of furniture, cane seating of chairs, the making of our tinware, now carried on in separate places, can all be done in one room under the direction of a supervisor.

Many yards of concrete walk have been laid since our last report, largely by patients' help: 750 yards in front of the storehouse, 684 yards over the coal bunkers and along the east side of the boiler house, 80 yards along the west and north sides of the

men's dormitory, 156 yards in the walks leading to the second halls of the north and the south wings, 735 yards under the hay barn and 35 yards in the basement of the women's infirmary.

Much excavating and grading has been done by patients, principally for the foundations and basements of the new laundry and bakery buildings and for a tunnel now being constructed to carry steam and water pipes and electric wires from the boiler room to the new laundry.

In spite of the drought that prevailed during a large part of the season the farm has made a good showing in the variety and quantity of crops raised. The market value of these crops nearly equals that of last year. For those interested, a table of farm products raised will be found following this report.

Considerable repair work has been done on the farm. New stable floors have been laid in the cow stable and new mangers made in the yard. About a mile and a half of fencing has been put in place and new houses for pigs have been built.

About an acre on the west lot has been reclaimed.

The entire herd of cows and calves has been regularly tested for tuberculosis. This practice has been continued for years, so that our herd is kept as free from disease as possible.

Believing fully in the value of frequent assemblies of patients for divine worship, for amusement and for instruction, we have had many gatherings of patients during the year. Besides the exercises held every Lord's Day there have been readings by a member of the staff on forty-eight evenings; dancing on twenty-five evenings; card parties on eight evenings; stereopticon lectures on three evenings; musicals by patients and attendants on three evenings; December 24, Christmas tree; January 9, stereopticon lecture by Mr. Grant; February 4, song recital, Mr. Brigham; February 20, chalk talk, Mr. Little; February 27, musical entertainment, Mr. Harrell; March 13, minstrel show, patients and attendants; March 20, readings, Mr. Taggart; March 28, musical, the Misses Woods; April 3, graphophone concert, Mr. McKean; May 8, musical, Mr. Lorraine; May 25, musical, Union Club of Holyoke, courtesy of Mr. Davies; September 18, readings, Mr. Wright; October 9, readings, Mrs. Stuart-Richings; October 11, training school graduation; October 16, legerdemain, Mr. Eldred; October 19, readings, Mr. French; November 3, musical, the Misses Woods.

Grateful acknowledgment is made to the following persons for gifts and services, which are much appreciated by the patients: to Mrs. W. T. Parker, Mrs. J. L. Egbert, Mrs. J. F. Sullivan, Mrs. J. J. Sullivan and Mr. J. J. Murphy for gifts for the Christmas tree; to Miss Dickinson for crepe paper for decorations at Christmas and Hallowe'en; to Mr. John McKean, Mr. Tom Davies, Mr. Eldred and Mr. Grant for an evening's entertainment; to Miss Vincens for fruit; to Mrs. Damond, Mrs. Pomeroy, Mrs. Cook, Mrs. Ross, Mrs. Ganong, Mrs. Graves, Mrs. Robinson, Mrs. Allison, Mrs. Shea, Mrs. Prentice, Misses Eastman, Miss Cable, Mr. C. B. Barton and Mr. C. L. Lyman for magazines and papers and to the publishers of "Christian Register," "Dumb Animals," "The Healthy Home Quarterly" and "New Church Journal" for regular copies of their publications.

JOHN A. HOUSTON,  
*Superintendent.*

## DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

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[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons and the second to the remainder. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time and distributed to the old, the feeble and the convalescent cases.]

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### BILL OF FARE No. 1.

#### BREAKFAST.

- Monday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, corn cake, bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, sausage in winter, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, warm brown (rye or Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, pork steak in winter, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, bread and butter.

#### DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable, bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal or beef, roast pork in winter, potatoes and one other vegetable, bread and butter, cornmeal mush.
- Wednesday.* — Either roast pork or beef, potatoes and one other vegetable, bread and butter, berry or apple pudding, with sauce.
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,<sup>1</sup> bread and butter, boiled suet pudding with syrup.

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<sup>1</sup> At least three vegetables during the summer.

*Friday.* — Either fried or baked fresh fish,<sup>1</sup> potatoes and one other vegetable, bread and butter, tapioca pudding or raisin pudding of either rice, bread or cracker.

*Saturday.* — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread and butter and baked bread pudding.

*Sunday.* — Stewed mutton or boiled shoulders, potatoes, pickles, bread and butter and pies, the kind varying with the season.

#### SUPPER.

*Monday.* — Tea, bread and butter, soft gingerbread and a relish.<sup>2</sup>

*Tuesday.* — Tea, bread and butter, soft gingerbread and a relish.<sup>2</sup>

*Wednesday.* — Tea, bread and butter, pie (varying with the season), graham bread and cheese.

*Thursday.* — Tea, bread and butter, cookies and a relish.<sup>2</sup>

*Friday.* — Tea, bread and butter, cake (the kind varying) and a relish.<sup>2</sup>

*Saturday.* — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch and sauce. Hulled corn once in two weeks.

#### BILL OF FARE No. 2.

##### BREAKFAST.

*Monday.* — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

*Tuesday.* — Coffee, oatmeal, cold roast beef, potatoes, bread and butter.

*Wednesday.* — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

*Thursday.* — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, bread and butter.

*Friday.* — Coffee, oatmeal, cold corned beef, potatoes, bread and butter.

*Saturday.* — Coffee, oatmeal, hash, either meat or fish, bread and butter.

*Sunday.* — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

##### DINNER.

*Monday.* — Roast beef, potatoes and one other vegetable, boiled hominy with molasses, bread and butter.

*Tuesday.* — Vegetable soup, potatoes and one other vegetable, bread, corn-meal mush with syrup.

*Wednesday.* — Boiled codfish, potatoes and one other vegetable, boiled hasty pudding with molasses, bread and butter.

*Thursday.* — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses, bread and butter.

*Friday.* — Boiled fresh fish, potatoes, beets or some other vegetable, boiled hasty pudding with molasses, bread and butter.

*Saturday.* — Hot baked beans, potatoes, pickles, bread and butter, bread pudding.

*Sunday.* — Cold corned beef, potatoes, pies, bread and butter.

<sup>1</sup> Substituted by stewed oysters in winter, with some kind of roasted meat for those who prefer it.

<sup>2</sup> This term, used for want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruit, all of which are supplied, and each according to the season.



## SUPPER.

*Monday.* — Tea, bread and butter, gingerbread.

*Tuesday.* — Tea, bread and butter, soft gingerbread.

*Wednesday.* — Tea, bread and butter, gingerbread and some kind of relish.

*Thursday.* — Tea, bread and butter, cookies.

*Friday.* — Tea, bread and butter, soft gingerbread.

*Saturday.* — Tea, bread and butter, cake, sauce.

*Sunday.* — Tea, bread and butter, cookies.

## EXTRAS.

Hulled corn at supper on Saturdays.

In August and September these tables are furnished with either berries, tomatoes or baked apples as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished five times a week for the rest of the year.

## EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five barrels of green sweet corn in the ear are consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring spinach and Swiss chard are largely used as greens, and horse-radish as a condiment.

Beef tea, chicken broth, mutton broth, scalded milk, oatmeal gruel, milk punch, oatmeal porridge, dry toast, milk toast, toast with dropped eggs, meat hash, beefsteak, grape juice, jelly, canned fruit and fresh fruit for invalids and all who are not able to take the regular fare.

Three halls have fresh fruit for dinner on Sundays, Tuesdays and Fridays.

## ARTICLES MADE IN SEWING ROOM.

Aprons, . . . . .	478	Lard strainers, . . . . .	6
Bath robes, . . . . .	12	Mattress ticks, . . . . .	154
Bread covers, . . . . .	5	Milk cloths, . . . . .	112
Bureau covers, . . . . .	414	Mittens, pairs, . . . . .	24
Caps, . . . . .	657	Napkins hemmed, . . . . .	144
Caps, night, . . . . .	24	Nightgowns, long, . . . . .	32
Carriage cover, . . . . .	1	Nightgowns, short, . . . . .	698
Carriage pockets, . . . . .	2	Petticoats, . . . . .	172
Chemises, . . . . .	10	Pillow cases, . . . . .	1,302
Clothes bags, . . . . .	49	Pillow ticks, . . . . .	19
Cambric coats, . . . . .	4	Rugs bound, . . . . .	92
Corset covers, . . . . .	36	Rug made, . . . . .	1
Covers for laundry extractor, . . . . .	10	Sheets, . . . . .	1,473
Curtains, sash, . . . . .	78	Shirts, . . . . .	1,712
Curtains, screen, . . . . .	30	Shirt waists, . . . . .	8
Curtains, shade, . . . . .	159	Stand covers, . . . . .	441
Drawers, . . . . .	11	Table cloths, . . . . .	101
Dresses, . . . . .	203	Towels, . . . . .	3,299
Dresses for chapel, . . . . .	33	Tray cloths, . . . . .	150
Dresses made over, . . . . .	12	Trousers, pair, . . . . .	1
Dust cloths hemmed, . . . . .	10	Trousers made over, . . . . .	25
Filter cloths, . . . . .	2	Vests made over, . . . . .	10
Holdes, . . . . .	250	Articles repaired, . . . . .	49,087

## WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, new material, . . . . .	49
Hair mattresses made, old material, . . . . .	177
Hair mattresses made, old hair, new ticks, . . . . .	65
Hair pillows made, old material, . . . . .	65
Chairs caned, . . . . .	55
Brooms made, . . . . .	83
Whisk brooms made, . . . . .	48
Shoes tapped, pairs, . . . . .	407
Shoes heeled, pairs, . . . . .	468

## PRESERVING DONE IN KITCHEN DEPARTMENT.

Blueberries, quarts, . . .	228	Tomato sweet pickles, quarts, . . .	35
Blackberry jam, quarts, . . .	20	Pepper hash, gallons, . . .	10
Cherries, quarts, . . .	74	Tomatoes, quarts, . . .	332
Citron, quarts, . . .	50	Tomato chow-chow, gallons, . . .	12
Gooseberries, quarts, . . .	20	Tomato ketchup, bottles, . . .	84
Peaches, quarts, . . .	122	Tomato Chili sauce, quarts, . . .	65
Plums, quarts, . . .	28	Apple jelly, glasses, . . .	98
Raspberries, canned, . . .	40	Apple jelly, quarts, . . .	50
Raspberry jam, quarts, . . .	12	Currant jelly, glasses, . . .	172
Rhubarb, quarts, . . .	190	Grape jelly, glasses, . . .	64
Strawberries, quarts, . . .	4	Raspberry jelly, glasses, . . .	40
Cucumbers, salted, barrels, . . .	3½	Grape marmalade, jars, . . .	20
Cucumber sour pickles, barrels, . . .	4	Orange marmalade, jars, . . .	18
Cucumber sweet pickles, quarts, . . .	50	Peach butter, jars, . . .	7



## OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1911.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent, . . .	22	2	7
Charles H. Dean, M.D., assistant physician, . . .	11	6	21
C. Stanley Raymond, M.D., assistant physician, . . .	5	5	11
B. Angela Bober, M.D., assistant physician, . . .	—	2	2
Eliza P. Brison, M.D., assistant physician, . . .	—	1	19
Lewis F. Babbitt, treasurer, . . . . .	20	1	18
Burton G. Fiske, supervisor, . . . . .	8	1	15
Alice E. Bedell, superintendent of nurses, . . .	9	3	20
Susan E. Warren, matron, . . . . .	17	8	8
Martha G. Jones, secretary to superintendent, . . .	18	4	11
Carl W. Hammond, farmer, . . . . .	1	9	—
William J. Moore, steward, . . . . .	15	1	3
George Begor, assistant steward, . . . . .	4	2	9
Ord Thomas, assistant steward, . . . . .	2	2	9
Rachel C. Packard, stenographer, . . . . .	2	7	—
Susan E. Norton, clothesmarker, . . . . .	3	7	29
Jay E. Cook, baker, . . . . .	12	9	—
Leon E. Bruce, assistant baker, . . . . .	6	5	4
George W. Thorniley, florist, . . . . .	18	7	11
Thomas Butterworth, engineer, . . . . .	4	—	17
William Day, assistant engineer, . . . . .	13	7	29
Gottlieb Beer, fireman, . . . . .	4	—	8 $\frac{1}{2}$
Isaac Fisk, assistant engineer, . . . . .	2	8	24
Ernest Holmes, fireman, . . . . .	—	1	12
Francis Pond, assistant engineer, . . . . .	3	4	5
Grover Wentzel, fireman, . . . . .	2	—	2
T. J. Lucier, fireman, . . . . .	—	1	—
Helfrid L. Fiske, seamstress, . . . . .	5	10	19
Margaret Tobin, assistant seamstress, . . . . .	—	8	23
Addie M. Wood, assistant seamstress, . . . . .	1	7	20
Celia A. Hamel, assistant seamstress, . . . . .	—	—	23
Charles E. Williams, laundryman, . . . . .	14	2	29
Margaret E. Colton, laundress, . . . . .	1	6	18
Katherine McGrath, laundress, . . . . .	3	5	17
Nellie M. McGrath, laundress, . . . . .	4	1	22
Ellen Moore, laundress, . . . . .	5	5	2
Addie J. West, laundress, . . . . .	1	2	19
Emma Billings, usher, . . . . .	—	10	7
Frances E. Packard, usher, . . . . .	—	1	30
Harriet Briggs, housemaid, . . . . .	10	3	22
Kate Flaherty, housemaid, . . . . .	2	—	27

NAMES.	Years.	Months.	Days.
Jennie Pederson, housemaid, . . . . .	—	2	23
Emma Kellogg, housemaid, . . . . .	—	—	22
Mary Watson, center dining room, . . . . .	—	—	23
Stella Bock, center dining room, . . . . .	1	4	5
Agnes Gotski, kitchen maid, . . . . .	1	7	18
Theresa Pvorcan, kitchen maid, . . . . .	1	—	26
Mary Spelmen, kitchen maid, . . . . .	—	4	27
Anna Thomas, kitchen maid, . . . . .	1	1	22
Mary Schowiecka, kitchen maid, . . . . .	—	—	29
Alexander Macmaster, kitchen, . . . . .	—	4	19
Josie Hurd, cook, . . . . .	2	5	10
Stela Crianiskor, cook, . . . . .	—	4	27
Harry W. Love, watchman, . . . . .	7	11	22
Fred D. Aldrich, nurse, . . . . .	11	11	18
Alexander Beaton, nurse, . . . . .	6	4	14
George H. Blake, nurse, . . . . .	—	2	24
John J. Bradley, nurse, . . . . .	3	6	18
Chas. A. Bruce, nurse, . . . . .	—	2	5
George D. Bruce, nurse, . . . . .	—	1	18
Raymond D. Fiske, nurse, . . . . .	—	10	30
Porter Ford, nurse, . . . . .	—	—	25
William F. Gay, nurse, . . . . .	—	6	30
John E. Green, nurse, . . . . .	1	6	2
Axel Gustafson, nurse, . . . . .	1	6	30
John Harkness, nurse, . . . . .	1	7	30
George Hartmann, nurse, . . . . .	—	1	11
Willard E. Hawxhurst, nurse, . . . . .	—	6	22
A. L. Hubby, nurse, . . . . .	—	10	23
Matthew Hudson, nurse, . . . . .	—	6	17
Robert Kinney, nurse, . . . . .	—	2	20
Ernest Manning, nurse, . . . . .	—	2	23
Charles Mayhew, nurse, . . . . .	—	5	3
Michael McCaffrey, nurse, . . . . .	2	2	13
John McNamara, nurse, . . . . .	—	3	18
Hubert McNierney, nurse, . . . . .	2	2	2
Ivor L. Morris, nurse, . . . . .	—	4	8
Carl Nykuist, nurse, . . . . .	—	8	12
Charles M. Pease, nurse, . . . . .	5	6	6
A. C. Roberts, nurse, . . . . .	1	7	29
Joseph Round, nurse, . . . . .	—	2	13
Thomas Smart, nurse, . . . . .	—	8	21
F. Smith, nurse, . . . . .	—	2	23
W. I. Toothaker, nurse, . . . . .	—	7	2
Moise Vallancourt, nurse, . . . . .	—	3	3
Clyde A. Wilkins, nurse, . . . . .	—	1	23
Wm. A. Wood, nurse, . . . . .	—	7	12
Edward Hubby, nurse, . . . . .	—	—	20
Geo. W. Leroy, nurse, . . . . .	—	—	23
Ernest A. Martin, nurse, . . . . .	—	—	18
Loren F. Shaw, nurse, . . . . .	—	—	10
L. N. Hart, nurse, . . . . .	—	—	10

NAMES.	Years.	Months.	Days.
Timothy Feeney, nurse, . . . . .	—	—	4
Eugene M. Tucker, nurse, . . . . .	—	—	2
Goldie Bickford, nurse, . . . . .	3	2	—
Josephine M. Bowles, nurse, . . . . .	—	2	18
Beulah L. Boynton, nurse, . . . . .	—	10	28
N. Mertie Bradley, nurse, . . . . .	1	9	20
Janet Campbell, nurse, . . . . .	—	2	5
Cecelia Crosby, nurse, . . . . .	—	9	27
Mabel Dean, nurse, . . . . .	4	1	18
Lulu Dyer, nurse, . . . . .	1	8	30
Charlotte Elliott, nurse, . . . . .	—	1	5
Agnes Farrington, nurse, . . . . .	2	3	—
Isobel Ferguson, nurse, . . . . .	3	3	27
Helen A. Foley, nurse, . . . . .	—	2	26
Ada F. Gay, nurse, . . . . .	—	6	30
Ida E. Hall, nurse, . . . . .	—	1	7
Katherine Hubbard, nurse, . . . . .	—	1	29
Lizzie A. Leach, nurse, . . . . .	—	1	8
Lillian Love, nurse, . . . . .	6	8	5
Effie Mahy, nurse, . . . . .	7	4	24
Grace Mayhew, nurse, . . . . .	—	5	3
Helen McCarthy, nurse, . . . . .	—	3	18
Katherine McDonald, nurse, . . . . .	1	7	4
Mrs. A. Macmaster, nurse, . . . . .	—	4	19
Kathryn McNierney, nurse, . . . . .	1	5	22
Mae P. Morris, nurse, . . . . .	—	4	8
Ruby Pendleton, nurse, . . . . .	—	2	2
Marion Porterus, nurse, . . . . .	—	2	28
Lila Pullman, nurse, . . . . .	—	3	—
Jennie M. Ryan, nurse, . . . . .	3	7	5
Mary Ryan, nurse, . . . . .	2	6	22
Helene St. Pierre, nurse, . . . . .	—	2	18
Emily Stewart, nurse, . . . . .	7	—	2
M. E. R. Thomas, nurse, . . . . .	—	7	13
Caroline Truman, nurse, . . . . .	—	4	25
Effie L. Wilkins, nurse, . . . . .	—	1	23
Rose Duprey, nurse, . . . . .	3	7	5
Mabel Tacy, nurse, . . . . .	2	8	16
Mary Mullarky, nurse, . . . . .	—	—	21
H. Mabel Skidmore, nurse, . . . . .	—	—	18
Caroline E. Arthur, nurse, . . . . .	—	—	17
Constance Smythe, nurse, . . . . .	—	—	12
Alma Hart, nurse, . . . . .	—	—	10
Myrtis L. Miller, nurse, . . . . .	—	—	24
Thomas P. Clair, plumber, . . . . .	13	7	—
Albert DeGrandpre, carpenter, . . . . .	6	10	—
Wm. Lasalle, carpenter, . . . . .	—	10	2
Arthur W. Lee, painter, . . . . .	—	6	10
Henry Maynard, carpenter, . . . . .	3	5	22
M. L. Sornborger, plumber, . . . . .	8	—	6
Roscoe Tobin, plumber, . . . . .	9	—	28

NAMES.	Years.	Months.	Days.
W. M. Tower, carpenter, . . . . .	33	10	—
Orrin Blodgett, farmer, . . . . .	5	4	8
James Denny, farmer, . . . . .	3	1	24
Xavier Dion, farmer, . . . . .	18	5	16
Henry Drozdial, farmer, . . . . .	—	8	8
Jake Drozdial, farmer, . . . . .	—	8	8
Michael Drozdial, farmer, . . . . .	2	7	10
Thomas Drozdial, farmer, . . . . .	7	—	—
Frank Hurd, farmer, . . . . .	2	5	10
Fred Kemper, farmer, . . . . .	—	7	—
John Koske, farmer, . . . . .	—	6	5
Nicholas Kraznyak, gardener, . . . . .	3	2	3
W. Lardek, farmer, . . . . .	—	1	20
Frank Lesto, farmer, . . . . .	—	7	11
David Mercier, coachman, . . . . .	34	9	13
Rufus Miner, farmer, . . . . .	1	7	—
Charles Nutting, farmer, . . . . .	1	2	19
Alfred Owen, gardener, . . . . .	2	9	12
James Ruddy, farmer, . . . . .	4	1	26
Frank Sanborn, farmer, . . . . .	4	6	22
Frank Smith, farmer, . . . . .	—	8	10
Steve Stepno, farmer, . . . . .	1	6	7
Walter Streeter, farmer, . . . . .	8	3	1
Frank Suboskie, farmer, . . . . .	—	2	6

## FARM PRODUCTS.

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Apples, 107 barrels, . . . . .	\$268 00
Asparagus, 36 boxes, . . . . .	126 00
Beans, lima, improved, 89 bushels, . . . . .	142 40
Beans, shell, 36½ bushels, . . . . .	42 48
Beans, wax string, 83½ bushels, . . . . .	66 80
Beef, cow, 4,475 pounds, . . . . .	268 50
Beef, steer, 17,333 pounds, . . . . .	1,733 30
Beets, greens, 79 bushels, . . . . .	27 65
Beets, table, 138 bushels, . . . . .	82 80
Broom corn, 4,650 pounds, . . . . .	327 00
Brussels sprouts, 17 quarts, . . . . .	1 87
Cabbage, 22 tons, . . . . .	550 00
Carrots, 24 bushels, . . . . .	18 00
Cauliflower, 4 boxes, . . . . .	5 00
Celery, 330 boxes, . . . . .	299 70
Cherries, 442 quarts, . . . . .	44 20
Chickens, broilers, 724 pounds, . . . . .	195 48
Chickens, fowl, 550 pounds, . . . . .	82 50
Cider, 775 gallons, . . . . .	77 50
Citron, 4,910 pounds, . . . . .	49 10
Corn fodder, 104 tons, . . . . .	520 00
Corn, green, 611 bushels, . . . . .	611 00
Corn, whole, 376 bushels, . . . . .	282 00
Cucumbers, 422 boxes, . . . . .	316 50
Cucumber pickles, 320 pecks, . . . . .	96 00
Currants, 432 quarts, . . . . .	47 52
Eggs, 2,051 dozen, . . . . .	615 30
Ensilage, 500 tons, . . . . .	2,000 00
Gooseberries, 90 quarts, . . . . .	9 00
Grapes, 400 pounds, . . . . .	16 00

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<i>Amount carried forward,</i> . . . . .	\$8,921 60
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*Amount brought forward,* . . . . . \$47,637 47

Sales: —

Calves, . . . . .	\$61 00
Horses, . . . . .	450 00
Hides, . . . . .	458 69
Pigs, . . . . .	566 50
Sundries, . . . . .	77 70
Total, . . . . .	<hr/> 1,613 89
Total farm product, . . . . .	<hr/> \$49,251 36

Live stock belonging to the hospital: —

Bulls, 2, . . . . .	\$400 00
Calves, 17, . . . . .	425 00
Cows, 83, . . . . .	6,640 00
Fowls, 635, . . . . .	635 00
Heifers, 29, . . . . .	1,040 00
Hogs, 95, . . . . .	2,506 00
Horses, 14, . . . . .	3,525 00
Total, . . . . .	<hr/> \$16,371 00



## VALUATION.

### REAL ESTATE.

Grounds and building sites, 23 acres, . . .	\$4,861 20	
Woodland, 93 acres, . . . . .	19,655 55	
Mowing, 110 acres, . . . . .	23,248 50	
Pasturage, 185 acres, . . . . .	39,099 75	
Tillage, 100 acres, . . . . .	21,135 00	
Hospital building, . . . . .	616,619 00	
Farmhouse, . . . . .	1,500 00	
Brick house, . . . . .	1,700 00	
Three dwellings, . . . . .	5,500 00	
Cold storage, . . . . .	30,000 00	
Two barns, . . . . .	5,500 00	
Cow stable, . . . . .	13,000 00	
Horse stable, . . . . .	6,000 00	
Piggery, . . . . .	3,000 00	
Lumber shed, . . . . .	850 00	
Cart shed, . . . . .	400 00	
Pump house, . . . . .	400 00	
Ice house, . . . . .	800 00	
Paint shop, . . . . .	2,039 00	
Total real estate, . . . . .	<hr/> \$795,308 00	

### PERSONAL ESTATE.

Provisions and groceries, . . . . .	\$10,368 58	
Clothing and clothing material, . . . . .	3,957 65	
Furnishings, . . . . .	38,290 64	
Fuel, . . . . .	6,578 68	
Machinery and mechanical fixtures, . . . . .	21,138 37	
Live stock on farm, . . . . .	16,371 00	
Produce of farm on hand, . . . . .	13,334 90	
Carriages and agricultural implements, . . . . .	3,905 04	
Miscellaneous, . . . . .	3,928 44	
Unexpended balance of maintenance appropriation, . . . . .	15,526 40	

<i>Amounts carried forward,</i> . . . . .	\$133,399 70	<hr/> \$795,308 00
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*Amounts brought forward,* . . . . \$133,399 70 \$795,308 00

Unexpended balance of special appropriation		
(non-revertible), . . . . .	41,209 07	
Accounts receivable, . . . . .	11,656 94	
Cash on hand: —		
Office, . . . . .	896 55	
Bank, . . . . .	824 77	
Patients' money, . . . . .	1,781 98	
Endowments, etc., . . . . .	703 24	
	<hr/>	190,472 25
Total personal estate, . . . . .		<hr/> \$985,780 25

#### ACCOUNTS PAYABLE.

Maintenance, . . . . .		\$14,618 24
Trust funds: —		
Patients' money, . . . . .	\$1,781 98	
Endowments, . . . . .	703 24	
	<hr/>	2,485 22
Excess of resources over liabilities, . . . . .		968,676 79
		<hr/> \$985,780 25

#### STATEMENT OF FUNDS.

##### *Patients' Funds.*

On hand, Nov. 30, 1910, . . . . .	\$1,771 73	
Receipts, . . . . .	1,490 21	
	<hr/>	\$3,261 94
Refunded, . . . . .		1,479 96
		<hr/> \$1,781 98
Balance on hand Nov. 30, 1911, . . . . .		\$1,781 98

##### *Fred B. Kelly Fund.*

Balance Nov. 30, 1910, . . . . .	\$677 61	
Income, . . . . .	25 63	
	<hr/>	
Balance on hand Nov. 30, 1911, . . . . .		\$703 24

## TREASURER'S REPORT.

*To the Trustees of the Northampton State Hospital.*

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1911: —

## CASH ACCOUNT.

Balance Dec. 1, 1910, . . . . . \$2,321 17

*Receipts.**Institution Receipts.*

Board of inmates: —

Private, . . . . . \$32,961 52

Reimbursements, insane, . . . . . 15,292 13

48,253 65

Sales: —

Food, . . . . . \$213 37

Clothing and materials, . . . . . 193 07

Furnishings, . . . . . 50

Repairs and improvements, . . . . . 45

Miscellaneous, . . . . . 825 04

Farm, stable and grounds: —

Cows and calves, . . . . . 61 00

Pigs and hogs, . . . . . 566 50

Hides, . . . . . 458 69

Sundries, . . . . . 527 70

2,846 32

Miscellaneous receipts: —

Interest on bank balances, . . . . . \$135 79

Sundries, . . . . . 10 20

145 99

51,245 96

*Receipts from Treasury of Commonwealth.*

Maintenance appropriations: —

Balance of 1910, . . . . . \$7,807 97

Advance money (amount on hand November 30), . . . . . 5,000 00

Approved schedules of 1911, . . . . . 164,473 60

177,281 57

Special appropriations, . . . . . 5,795 93

Total, . . . . . \$236,644 63

*Payments.*

To treasury of Commonwealth, institution receipts, . . . . .	\$51,245 96
Maintenance appropriations: —	
Balance November schedule, 1910, . . . . .	\$10,129 14
Eleven months schedules, 1911, . . . . .	164,473 60
November advances, . . . . .	3,278 68
	<hr/>
	177,881 42
Special appropriations: —	
Approved schedules, . . . . .	5,795 93
Balance, Nov. 30, 1911: —	
In bank, . . . . .	\$824 77
In office, . . . . .	896 55
	<hr/>
	1,721 32
	<hr/>
Total, . . . . .	\$236,644 63

## MAINTENANCE.

Appropriation, . . . . .	\$180,000 00
Expenses (as analyzed below), . . . . .	179,091 84
	<hr/>
Balance reverting to treasury of Commonwealth, . . . . .	\$908 16

*Analysis of Expenses.*

Salaries, wages and labor: —	
General administration, . . . . .	\$17,384 44
Medical service, . . . . .	7,709 20
Ward service (male), . . . . .	13,883 42
Ward service (female), . . . . .	11,607 39
Repairs and improvements, . . . . .	6,641 34
Farm, stable and grounds, . . . . .	9,637 85
	<hr/>
	\$66,863 64
Food: —	
Butter, . . . . .	\$8,494 71
Butterine, . . . . .	298 92
Beans, . . . . .	637 96
Bread and crackers, . . . . .	572 69
Cereals, rice, meal, etc., . . . . .	1,229 24
Cheese, . . . . .	288 78
Eggs, . . . . .	6,890 40
Flour, . . . . .	4,499 55
Fish, . . . . .	2,279 19
Fruit (dried and fresh), . . . . .	3,661 00
Meats, . . . . .	10,077 17
Molasses and syrup, . . . . .	418 61
Sugar, . . . . .	3,868 95
Tea, coffee, broma and cocoa, . . . . .	1,873 84
Vegetables, . . . . .	1,483 27
Sundries, . . . . .	2,042 86
	<hr/>
	48,617 14
Clothing and materials: —	
Boots, shoes and rubbers, . . . . .	\$612 58
Clothing, . . . . .	2,193 28
	<hr/>
Amounts carried forward, . . . . .	\$2,805 86
	<hr/>
	\$115,480 78

<i>Amounts brought forward,</i>	\$2,805 86	\$115,480 78
<b>Clothing and materials — <i>Con.</i></b>		
Dry goods for clothing and small wares,	1,730 63	
Furnishing goods,	926 76	
Hats and caps,	129 50	
Leather and shoe findings,	54 88	
Sundries,	23 77	
	<hr/>	5,671 40
<b>Furnishings: —</b>		
Beds, bedding, table linen, etc.,	\$2,705 27	
Brushes, brooms,	149 27	
Carpets, rugs, etc.,	926 49	
Crockery, glassware, cutlery, etc.,	543 52	
Furniture and upholstery,	656 07	
Kitchen furnishings,	117 20	
Wooden ware, buckets, pails, etc.,	18 65	
Sundries,	249 84	
	<hr/>	5,366 31
<b>Heat, light and power: —</b>		
Coal,	\$8,084 80	
Freight on coal,	4,033 03	
Wood,	132 24	
Electricity,	35 98	
Gas,	91 43	
Oil,	176 55	
Sundries,	323 15	
	<hr/>	12,877 18
<b>Repairs and improvements: —</b>		
Brick,	\$380 10	
Cement, lime and plaster,	543 20	
Electrical work and supplies,	797 31	
Hardware,	1,463 26	
Lumber,	1,982 43	
Machinery, etc.,	416 31	
Paints, oil, glass, etc.,	2,207 19	
Plumbing, steam fitting and supplies,	1,609 53	
Sundries,	1,977 09	
	<hr/>	11,376 42
<b>Farm, stable and grounds: —</b>		
Blacksmith and supplies,	\$460 98	
Carriages, wagons, etc., and repairs,	442 75	
Fertilizers, vines, seeds, etc.,	1,967 21	
Hay, grain, etc.,	8,076 39	
Harnesses and repairs,	255 21	
Horses,	650 00	
Cows,	1,708 00	
Other live stock,	1,064 70	
Rent,	145 00	
Tools, farm machines, etc.,	832 58	
Sundries,	1,321 63	
	<hr/>	16,924 45
<b>Miscellaneous: —</b>		
Books, periodicals, etc.,	\$154 08	
Chapel services and entertainments,	737 00	
	<hr/>	
<i>Amounts carried forward,</i>	\$891 08	\$167,696 54

<i>Amounts brought forward,</i>	\$891 08	\$167,696 54
<i>Miscellaneous — Con.</i>		
Freight, expressage and transportation,	139 07	
Funeral expenses,	38 00	
Medicines and hospital supplies,	1,033 40	
Medical attendance, nurses, etc. (extra),	918 50	
Postage,	276 02	
Printing and printing supplies,	154 39	
Printing annual report,	170 88	
Return of runaways,	82 67	
Soap and laundry supplies,	1,483 34	
Stationery and office supplies,	290 16	
Travel and expenses (officials),	618 10	
Telephone and telegraph,	174 00	
Tobacco,	80 99	
Water,	4,324 57	
Sundries,	720 13	
		11,395 30
Total expenses for maintenance,		\$179,091 84

## SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1910,	\$86 84
Appropriations for fiscal year,	46,925 00
Total,	\$47,011 84
Expended during the year (see statement annexed),	\$5,795 93
Reverting to treasury of Commonwealth,	6 84
	5,802 77
Balance Nov. 30, 1911,	\$41,209 07

## RESOURCES AND LIABILITIES.

*Resources.*

Cash on hand,	\$1,721 32
November cash vouchers (paid from advance money),	3,278 68
Due from treasury of Commonwealth account November, 1911, schedule,	9,618 24
	\$14,618 24

*Liabilities.*

Schedule of November bills,	\$14,618 24
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## PER CAPITA.

During the year the average number of inmates has been 889.12.

Total cost for maintenance, \$179,091.84.

Equal to a weekly per capita cost of \$3.86.

Receipts from sales, \$2,846.32.

Equal to a weekly per capita of \$0.06 +.

All other institution receipts, \$48,399.64.

Equal to a weekly per capita of \$1.04 +.

*Special Appropriations.*

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Installation of better water supply, . . . .	Acts 1906, chap. 500	\$17,500 00	\$80 00	\$17,493 16	\$6 84 <sup>1</sup>
Additions to and improvements in bakery, . . .	Acts 1911, chap. 156	6,500 00	75 00	75 00	6,425 00
New laundry building and equipment of same, . .	Acts 1911, chap. 156	40,425 00	5,640 93	5,640 93	34,784 07
		\$64,425 00	\$5,795 93	\$23,209 09	\$41,209 07

<sup>1</sup> Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT,  
*Treasurer.*

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL.  
*Assistant Supervisor of Accounts.*

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# STATISTICAL TABLES.

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[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

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### 1. — General Statistics for the Year.

[illegible]

## 1. — General Statistics for the Year — Concluded.

	INSANE.			NOT INSANE, VOLUNTARY.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients remaining Sept. 30, 1911, . . . . .	449	444	893	—	—	—	—	—	—	—	—	—	449	449	898
Viz.: regularly committed, . . . . .	447	441	888	—	—	—	—	—	—	—	—	—	447	443	890
emergency, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
voluntary, . . . . .	2	3	5	—	3	3	—	—	—	—	—	—	2	6	8
temporary care, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
supported as State patients, . . . . .	363	311	674	—	—	—	—	—	—	—	—	—	363	315	678
as reimbursing patients, . . . . .	44	54	98	—	—	—	—	—	—	—	—	—	44	54	98
as private patients, . . . . .	42	79	121	—	1	1	—	—	—	—	—	—	42	80	122
Number of different persons within the year, . . . . .	622	598	1,220	7	5	12	2	2	4	4	4	4	631	609	1,240
Number of different persons admitted, . . . . .	189	181	370	6	2	8	2	2	4	4	4	4	197	189	386
Number of different persons admitted from community, . . . . .	178	166	344	6	2	8	2	2	4	4	4	4	186	174	360
Number of different persons dismissed, . . . . .	173	155	328	7	2	9	2	2	4	4	4	4	182	161	343
Number of different persons recovered, . . . . .	141	115	256	7	2	9	2	2	4	4	4	4	150	121	271
Number of different persons capable of self-support, . . . . .	23	10	33	—	—	—	1	—	—	—	—	—	23	10	33
Daily average number of patients, . . . . .	447.16	431.72	878.88	—	—	—	1	—	1	—	—	—	447.47	435.83	883.30
Viz.: State patients, . . . . .	366.11	293.55	659.66	.3	2.5	2.8	.01	.01	.02	1.6	1.6	1.6	366.42	296.38	662.80
reimbursing patients, . . . . .	38.73	58.16	96.89	.3	1.22	1.28	.01	.01	.02	1.6	1.6	1.6	38.73	58.16	96.89
private patients, . . . . .	42.32	80.01	122.33	—	—	—	—	—	—	—	—	—	42.32	81.29	123.61
Whole number of emergency admissions, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of voluntary admissions, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	14	10	24
Daily average number of voluntary patients, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	2.52	5.15	7.67
Whole number of temporary care patients, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	8	7	15
Daily average number of temporary care patients, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	.04	.06	.1

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Total.
First to this hospital, . . . . .	157	132	289
Second to this hospital, . . . . .	17	24	41
Third to this hospital, . . . . .	2	8	10
Fourth to this hospital, . . . . .	1	1	2
Fifth to this hospital, . . . . .	1	—	1
Sixth to this hospital, . . . . .	—	1	1
Total cases, . . . . .	178	166	344
Total persons, . . . . .	178	166	344
Never before in any hospital for insane, . . . . .	148	123	271

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts, . . . . .	65	28	26	44	23	27	109	51	53
Other New England States, . . . . .	16	10	13	13	12	7	29	22	20
Other States, . . . . .	7	16	12	11	7	8	18	23	20
Total native, . . . . .	88	54	51	68	42	42	156	96	93
Other countries: —									
Austria, . . . . .	4	4	4	—	—	—	4	4	4
Canada, . . . . .	13	17	19	13	13	15	26	30	34
Cuba, . . . . .	—	—	—	1	1	—	1	1	—
England, . . . . .	5	6	6	3	6	6	8	12	12
Finland, . . . . .	1	1	1	1	1	1	2	2	2
France, . . . . .	—	1	1	—	—	—	—	1	1
Germany, . . . . .	9	10	10	3	5	5	12	15	15
Greece, . . . . .	1	1	1	—	—	—	1	1	1
Hungary, . . . . .	—	1	—	1	1	1	1	2	1
Ireland, . . . . .	14	34	34	20	36	38	34	70	72
Italy, . . . . .	5	6	6	—	—	—	5	6	6
Poland, . . . . .	3	3	3	4	4	4	7	7	7
Russia, . . . . .	3	3	3	4	4	4	7	7	7
Scotland, . . . . .	—	—	1	1	4	2	1	4	3
Sweden, . . . . .	1	1	1	2	2	2	3	3	3
Switzerland, . . . . .	1	1	1	—	—	—	1	1	1
Wales, . . . . .	—	—	—	—	1	1	—	1	1
Total foreign, . . . . .	60	89	91	53	78	79	113	167	170
Unknown, . . . . .	—	5	6	2	3	2	2	8	8
Totals, . . . . .	148	148	148	123	123	123	271	271	271

4. — *Residence of Insane Persons admitted from the Community.*

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County, . . . . .	27	21	48	6	4	10	33	25	58
Hampden County, . . . . .	68	68	136	11	23	34	79	91	170
Franklin County, . . . . .	10	8	18	4	5	9	14	13	27
Berkshire County, . . . . .	40	26	66	9	9	18	49	35	84
Worcester County, . . . . .	3	—	3	—	1	1	3	1	4
Suffolk County, . . . . .	—	—	—	—	1	1	—	1	1
Totals, . . . . .	148	123	271	30	43	73	178	166	344
Unknown, . . . . .	—	—	—	—	—	—	—	—	—
Totals, . . . . .	148	123	271	30	43	73	178	166	344
Cities and towns, . . . . .	115	94	209	23	33	56	138	127	265
Country districts, . . . . .	33	29	62	7	10	17	40	39	79
Totals, . . . . .	148	123	271	30	43	73	178	166	344

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried, . . . . .	74	41	115
Married, . . . . .	54	56	110
Widowed, . . . . .	19	23	42
Divorced, . . . . .	1	3	4
Unknown, . . . . .	—	—	—
Totals, . . . . .	148	123	271

## 6. — Occupation of Insane Persons first admitted to Any Hospital.

## MALES.

Armorer, . . . . .	1	Merchants, . . . . .	2
Baker, . . . . .	1	Metal polisher, . . . . .	1
Bartender, . . . . .	1	Mining engineer, . . . . .	1
Blacksmiths, . . . . .	2	Nurse, . . . . .	1
Boiler maker, . . . . .	1	Operatives, . . . . .	18
Bookkeeper, . . . . .	1	Organ builder, . . . . .	1
Bookbinder, . . . . .	1	Painters, . . . . .	6
Brick maker, . . . . .	1	Peddler, . . . . .	1
Carpenter, . . . . .	1	Physicians, . . . . .	2
Carriage manufacturer, . . . . .	1	Printers, . . . . .	2
Clerks, . . . . .	2	Quarryman, . . . . .	1
Contractor, . . . . .	1	Railroad employees, . . . . .	2
Cook, . . . . .	1	Salesman, . . . . .	1
Druggist, . . . . .	1	Shoemakers, . . . . .	2
Electricians, . . . . .	3	Slate roofer, . . . . .	1
Elevator man, . . . . .	1	Soldier, . . . . .	1
Farmers, . . . . .	8	Stationary fireman, . . . . .	1
Farm laborers, . . . . .	15	Students, . . . . .	5
Forger, . . . . .	1	Tailors, . . . . .	6
Gardener, . . . . .	1	Tanner, . . . . .	1
Grocer, . . . . .	1	Waiter, . . . . .	1
Hack drivers, . . . . .	2	Watchman, . . . . .	1
Insurance agent, . . . . .	1	Whipmaker, . . . . .	1
Laborers, . . . . .	25	Wood worker, . . . . .	1
Lawyer, . . . . .	1	No occupation, . . . . .	8
Machinists, . . . . .	3		
Masons, . . . . .	2	Total, . . . . .	148

## FEMALES.

Bookkeeper, . . . . .	1	Music teacher, . . . . .	1
Candy sorter, . . . . .	1	Nurses, . . . . .	2
Clerks, . . . . .	3	Operatives, . . . . .	14
Cook, . . . . .	1	Police matron, . . . . .	1
Domestics, . . . . .	24	Stenographer, . . . . .	1
Dressmaker, . . . . .	1	No occupation, . . . . .	12
Housekeepers, . . . . .	13		
Laundresses, . . . . .	2	Total, . . . . .	77

## WIFE OF —

Armorer, . . . . .	1	Manufacturer, . . . . .	1
Boiler maker, . . . . .	1	Mechanic, . . . . .	1
Carpenter, . . . . .	2	Operative, . . . . .	8
Clerk, . . . . .	1	Painter, . . . . .	1
Coachman, . . . . .	1	Plumber, . . . . .	1
Elevator man, . . . . .	1	Policeman, . . . . .	1
Expressman, . . . . .	1	Railroad employee, . . . . .	2
Farmer, . . . . .	9	Tailor, . . . . .	1
Ice merchant, . . . . .	1	Teamster, . . . . .	1
Laborer, . . . . .	7		
Machinist, . . . . .	3	Total, . . . . .	46
Mail carrier, . . . . .	1		

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.			DIED.								
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	26	11	37	—	—	—	2	—	2	—	—	—
15 years and less,	—	3	3	2	—	2	1	—	1	—	—	—
From 15 to 20 years,	6	9	15	9	4	13	2	—	2	1	—	1
20 to 25 years,	12	12	24	16	14	30	2	2	4	2	1	3
25 to 30 years,	17	9	26	22	8	30	5	2	7	2	—	2
30 to 35 years,	13	14	27	15	14	29	1	1	2	2	—	2
35 to 40 years,	11	13	24	14	15	29	5	2	7	3	2	5
40 to 50 years,	21	23	44	21	28	49	7	8	15	4	3	7
50 to 60 years,	11	10	21	12	17	29	6	7	13	8	2	10
60 to 70 years,	12	9	21	14	11	25	8	9	17	7	10	17
70 to 80 years,	12	6	18	15	8	23	10	9	19	14	16	30
Over 80 years,	7	2	9	8	4	12	5	3	8	8	7	15
Totals,	148	121	269	148	123	271	54	43	97	54	43	97
Unknown,	—	2	2	—	—	—	—	—	—	—	—	—
Totals,	148	123	271	148	123	271	54	43	97	54	43	97
Mean known ages (in years),	36.6	36.5	36.6	42.8	43.09	42.9	51.5	56.4	53.7	57.3	66.0	61.2





9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital, . . . . .	26	11	37
Under 1 month, . . . . .	58	7	65
From 1 to 3 months, . . . . .	12	16	28
3 to 6 months, . . . . .	7	16	23
6 to 12 months, . . . . .	13	19	32
1 to 2 years, . . . . .	18	20	38
2 to 5 years, . . . . .	12	20	32
5 to 10 years, . . . . .	—	4	4
10 to 20 years, . . . . .	2	8	10
Over 20 years, . . . . .	—	1	1
Totals, . . . . .	148	122	270
Unknown, . . . . .	—	1	1
Totals, . . . . .	148	123	271
Average known duration (in years), .	.7	.22	.47



10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died —*  
*Concluded.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.								DIED.			TOTAL DISCHARGES AND DEATHS.			
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
B. — Other admissions: —																		
Acute alcoholic insanity, . . . . .	2	4	6	2	1	3	1	—	1	—	—	—	—	—	—	—	—	—
Chronic alcoholic insanity, . . . . .	5	4	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dementia præcox, . . . . .	5	4	9	—	—	—	4	1	5	—	—	—	—	—	—	—	—	—
Epilepsy, . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Involution psychosis, . . . . .	1	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manic-depressive insanity: —																		
Depressed form, . . . . .	2	5	7	1	1	2	1	—	1	—	—	—	—	—	—	—	—	—
Maniacal form, . . . . .	1	7	8	2	—	2	1	1	2	1	—	—	—	—	—	—	—	—
Mixed form, . . . . .	—	8	8	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—
Mental deficiency, . . . . .	5	1	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Organic dementia, . . . . .	4	1	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paranoia, . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paresis, . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Senile dementia, . . . . .	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Morphine habit, chronic, . . . . .	2	—	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Total B, . . . . .	30	43	73	6	2	8	7	4	11	3	2	1	3	27	14	41		
Aggregate cases, . . . . .	178	166	344	22	16	38	24	10	34	13	7	9	16	119	108	227		
Aggregate persons, . . . . .	178	166	344	22	16	38	24	10	34	13	7	9	16	119	108	227		

11. — Discharges of the Insane, classified by Admission and Results, and Deaths.

NUMBER OF ADMISSIONS.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	16	14	30	18	6	24	12	28	40	7	8	15	47	40	87	100	96	196
Second to this hospital, . . .	5	2	7	2	1	3	1	1	2	-	-	-	6	2	8	14	6	20
Third to this hospital, . . .	1	-	1	1	3	4	-	1	1	-	1	1	-	1	1	2	6	8
Fourth to this hospital, . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Seventh to this hospital, . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Eighth to this hospital, . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Ninth to this hospital, . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Total cases, . . .	22	16	38	24	10	34	13	30	43	7	9	16	54	43	97	120	108	228
Total persons, . . .	22	16	38	24	10	34	13	30	43	7	9	16	54	43	97	120	108	228
First admitted to any hospital, . . .	16	14	30	17	6	23	10	26	36	5	8	13	45	40	85	93	94	187

## 12. — Causes of Death and Form of Mental Disease in Persons who died.

	ACUTE ALCOHOLIC.			ACUTE DELIRIUM.			CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			INVOLUTION PSYCHOSIS.			MANIC DEPRESSIVE.			MENTAL DEFICIENCY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																					
Carcinoma of œsophagus, . . . . .																					
Carcinoma of face, . . . . .																					
Carcinoma of pancreas, . . . . .																					
Carcinoma of stomach, . . . . .																					
Exhaustion from acute mania, . . . . .										1		1									
Gangrene of foot, . . . . .																					
Gangrene of scrotum, . . . . .										1		1									
General tuberculosiis, . . . . .																					
Pellagra, . . . . .																					
Senility, . . . . .																					
Diseases of the nervous system: —																					
General paralysis of the insane, . . . . .																					
Organic brain disease, . . . . .																					
Septic meningitis, . . . . .																					
Diseases of the circulatory system: —																					
Arteriosclerosis, . . . . .																					
Cerebral embolism, . . . . .																1		1			
Cerebral hemorrhage, . . . . .							1		1												
Endocarditis, . . . . .	1		1							1	1	2									
Myocarditis, . . . . .														1	1						
Diseases of the genito-urinary system: —																					
Nephritis, . . . . .																					
Diseases of the digestive system: —																					
Gastro-enteritis, . . . . .																	1	1			
Intestinal obstruction, . . . . .																					
Tubercular enteritis, . . . . .														1	1						
Diseases of the respiratory system: —																					
Broncho-pneumonia, . . . . .																					
Hypostatic pneumonia, . . . . .																					
Lobar pneumonia, . . . . .																	1	1			
Pulmonary tuberculosiis, . . . . .				1		1													2		2
Deglutition asphyxia, . . . . .																					
Totals, . . . . .	—	1	1	1	—	1	1	—	1	6	1	7	—	2	2	1	3	4	2	—	2



## 12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

	ORGANIC BRAIN DISEASE.			ORGANIC DEMENTIA.			PARANOIA.			PARESIS.			PELLAGRA.			SENILE DEMENTIA.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																					
Carcinoma of esophagus, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of face, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of pancreas, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of stomach, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exhaustion from acute mania, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gangrene of foot, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gangrene of scrotum, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General tuberculosiis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Senility, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the nervous system: —																					
General paralysis of the insane, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Organic brain disease, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septic meningitis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the circulatory system: —																					
Arteriosclerosis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral embolism, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Endocarditis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mycocarditis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the genito-urinary system: —																					
Nephritis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the digestive system: —																					
Gastro-enteritis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Intestinal obstruction, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tubercular enteritis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the respiratory system: —																					
Broncho-pneumonia, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hypostatic pneumonia, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary tuberculosis, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Deglutition asphyxia, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . . . .	—	2	2	7	13	20	—	1	1	9	1	10	1	—	1	26	19	45	54	43	97

## 13. — Duration of Mental Disease and its Treatment in Patients recovered or died.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month, . . .	13	7	20	—	1	1	—	—	—	—	—	—
From 1 to 3 months, . . .	1	5	6	10	7	17	8	3	11	—	—	—
3 to 6 months, . . .	1	2	3	5	4	9	5	7	12	1	—	—
6 to 12 months, . . .	1	—	1	1	1	2	3	2	5	2	—	—
1 to 2 years, . . .	—	—	—	—	—	—	—	1	1	1	—	—
2 to 5 years, . . .	—	—	—	—	1	1	—	1	2	2	—	—
5 to 10 years, . . .	—	—	—	—	—	—	—	—	1	2	—	—
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . .	16	14	30	16	14	30	16	14	30	6	2	8
Unknown, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . .	16	14	30	16	14	30	16	14	30	6	2	8
Average of known cases (in months),	.87	1.1	1.0	2.7	6.3	4.4	3.6	7.4	4.8	13.5	48.0	22.8
										8.4	44.5	17.4



